(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 14 July 2005 (14.07.2005)

PCT

(10) International Publication Number WO 2005/063259 A1

- (51) International Patent Classification⁷: A61K 31/675, C07F 9/59, 9/6553, 9/6558
- (21) International Application Number:

PCT/EP2004/014460

(22) International Filing Date:

18 December 2004 (18.12.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

03029450.8

19 December 2003 (19.12.2003) EP

- (71) Applicant (for all designated States except US): JERINI AG [DE/DE]; Invalidenstr. 130, 10115 Berlin (DE).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): KNOLLE, Jochen [DE/DE]; Schröderstr. 11, 10115 Berlin (DE). SCHUTKOWSKI, Mike [DE/DE]; Am Glockenstuhl 27, 06268 Ziegelroda (DE). HUMMEL, Gerd [DE/DE]; Pankstr. 12, 13357 Berlin (DE). TRADLER, Thomas [DE/DE]; Johanna-Tesch-Strasse 48, 12439 Berlin (DE). JOBRON, Laurence [FR/DE]; Pankstr. 12, 13357 Berlin (DE). CHRISTNER, Claudia [DE/DE]; Anklamer Str. 1, 10115 Berlin (DE). GIBSON, Christoph [DE/DE]; Lychener Str. 8, 10437 Berlin (DE). ZISCHINSKY, Gunther [AT/DE]; Kurmärkische Str. 14, 10783 Berlin (DE).

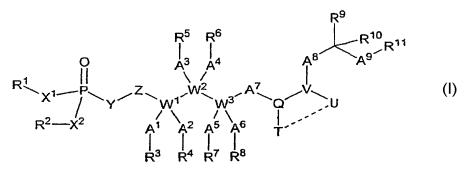
- (74) Agent: BOHMANN, Armin, K.; Bohmann & Loosen, Sonnenstr. 8, 80331 Munich (DE).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: COMPOUNDS FOR THE INHIBITION OF UNDESIRED CELL PROLIFERATION AND USE THEREOF



(57) Abstract: The present invention is related to compounds having formula (I), wherein the dashed line indicates a single or double bond or is absent and wherein A^1 - A^9 , Q, R^1 - R^{11} , T, U, V, W^1 - W^3 , X^1 , X^2 , Y and Z are as defined in the claims and description, pharmaceutical compositions comprising the compounds and the use of the compounds for the manufacture of a medicament for the treatment of deseases involving abnormal cell proliferation, undesired cell proliferation, abnormal mitosis and/or undesired mitosis.